

Mr. Neil Kasicki
Commonwealth Edison Company
3 Lincoln Centre
Oakbrook Terrace, IL 60181

Arcadis U.S., Inc.
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Subject:
U.S. EPA Soil Vapor Probe SG-64 abandonment
ComEd Rockford HQ
123 Energy Ave
Rockford, Illinois

ENVIRONMENT

Date:
July 7, 2022

Dear Mr. Kasicki:

Contact:
Dale Ellingson, P.E.

On behalf of Commonwealth Edison Company (ComEd), Arcadis U.S., Inc. (Arcadis) presents this letter report documenting the abandonment of a soil vapor probe found on ComEd owned property. ComEd found a flush mount protective casing normally used for monitoring wells when planning to expand an equipment storage yard into a grass covered lawn area within the Rockford HQ property.

Phone:
847.805.1058

Email:
dale.ellingson@arcadis.com

When the suspect monitoring well was discovered, ComEd contacted Arcadis to determine what was the purpose of it. Arcadis investigated and determined it was not related to ComEd activities and was related to U.S. EPA Southwest Rockford groundwater contamination studies.

Our ref:
30141755

Based on communication with U.S EPA and Illinois EPA, Arcadis confirmed that it was not a monitoring well, it was soil gas vapor probe SG-64 and abandonment did not require a permit. The SG-64 location, construction details and email from Illinois EPA stating no permit was required to abandon the probe are attached.

On June 22, 2022, Arcadis removed the flexible tube, flush mount casing and sealed the hole with bentonite chips. The bentonite chips were hydrated with water completing the abandonment. A photograph is attached.

Should you have any questions or concerns, please contact me at dale.ellingson@arcadis.com or 847-805-1058.

Sincerely,
Arcadis U.S., Inc.



Dale N. Ellingson, P.E.
Principal Engineer
ILLINOIS P.E. # 062-048802



Copies:

Courtney Crenshaw, ComEd
Jennifer Knoepfle, U.S. EPA
Brian Conrath, Illinois EPA

Attachments



U.S. EPA soil gas probe locations near 123 Energy Ave Rockford, IL

Table 3. Soil Gas Probe Installation Summary

Southeast Rockford Groundwater Contamination Site Rockford, IL

| Probe Location ^a | Northing ^b | Easting ^b | GPS Accuracy ^c (feet) | Property Address ^d | Screen Length (inches) | Bottom of Screened Interval (ft bgs) |
|-----------------------------|-----------------------|----------------------|-------------------------------------|-------------------------------|---------------------------|---|
| SG-58 | 2030176.461 | 2594940.862 | 0.4 | 2725 Horton Street | 21 | 15.1 |
| SG-59 | 2030719.335 | 2595245.819 | 0.5 | 27/29 Senate Drive | 21 | 7.2 |
| SG-60 | 2029130.211 | 2595562.833 | 0.6 | 2913 16th Street | 21 | 15.8 |
| SG-61 | 2030268.385 | 2596535.77 | 0.7 | 2717 19th Street | 21 | 9.8 |
| SG-62 | 2028802.894 | 2596345.645 | 0.3 | 2928 18th Street | 21 | 15.8 |
| SG-63 | 2029596.863 | 2597010.102 | 0.7 | 2812 20th Street | 21 | 8.3 |
| SG-64 | 2029881.009 | 2585842.629 | 0.2 | 123 Energy Avenue | 21 | 10.0 |
| SG-65 | 2028929.857 | 2597778.512 | 1.5 | 2927 23rd Street | 21 | 7.3 |



Photograph of abandoned SG-64 on June 22, 2022

Ellingson, Dale

From: Conrath, Brian A. <Brian.Conrath@Illinois.gov>
Sent: Friday, April 8, 2022 1:31 PM
To: Knoepfle, Jennifer; Ellingson, Dale; Courtney Crenshaw; Nellis, Scott; Darren Olson; Kasicki, Neil C:(Contractor - ComEd); Kirchner, Karen; Turner, Thomas
Cc: Feng, Wei-Lin
Subject: RE: Rockford HQ USEPA Vapor Probe

Thanks Jennifer.

Having that in front of me made it easier to confirm that no permit is necessary to abandon that vapor probe. Since it did not make contact with groundwater or saturated conditions, the hole may be abandoned as discussed earlier on the phone. It should be backfilled with bentonite to ground surface similar to if it were a monitoring well. As you mentioned, we do need proper documentation of the abandonment activities for the file and a photo or two would also be helpful.

If you have any questions or would like to discuss this, please give me a call at 217-557-8155.

Respectfully,

Brian Conrath
Illinois EPA

From: Knoepfle, Jennifer <Knoepfle.Jennifer@epa.gov>
Sent: Friday, April 8, 2022 11:17 AM
To: Ellingson, Dale <Dale.Ellingson@arcadis.com>; Courtney Crenshaw <courtney.crenshaw@comed.com>; Nellis, Scott <Scott.Nellis@arcadis.com>; Darren Olson <dolson@cbbel.com>; Kasicki, Neil C:(Contractor - ComEd) <Neil.Kasicki@comed.com>; Kirchner, Karen <kirchner.karen@epa.gov>; Turner, Thomas <turner.thomas@epa.gov>; Conrath, Brian A. <Brian.Conrath@Illinois.gov>
Cc: Feng, Wei-Lin <Wei-Lin.Feng@arcadis.com>
Subject: [External] Rockford HQ USEPA Vapor Probe

Hello Everyone

Thank you for the call this morning to work out the details regarding the potential future of soil gas probe, SG-64. Attached is a pdf file with SG-64 information that ComEd and their consultant may find useful. The file includes data results from the two sampling events – September and December 2015, the soil boring log, and the vapor probe construction log.

The results show non-detections for many of the VOC constituents, and those that were detected, exhibited VOC concentrations less than the vapor intrusion screening levels for soil gas.

Thank you,
Jennifer

Jennifer Knoepfle, Ph.D., P.G.
Remedial Project Manager
U.S. EPA Region 5
312-886-7153 (o), 312-636-7850 (c)

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